

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Patent Claims**

Please amend the claims as follows, without prejudice:

1. (Currently amended) A modular universal adapter telemedicine system comprising
  - a) at least one function module ~~function modules, varying in number and in function,~~ for at least one item selected from the group consisting of diagnostic testing, communication and identification;
  - a process module for providing at least one item selected from the group consisting of data output, data processing and data transmission; and
  - b) a universal adapter to connect the function modules to a the process module.
  - c) ~~process module that provides data output, data processing and data transmission.~~
2. (Currently amended) A modular universal adapter according to claim 1, characterized in that the data collected during use of the function modules ~~are~~ is at least one item selected from the group consisting of measurable medical parameters, ~~and/or~~ identification features, ~~and/or~~ audiovisual data and ~~or~~ geographic position data.
3. (Currently amended) A modular universal adapter –telemedicine system according to claim 1, ~~or 2,~~ characterized in that the at least one function module, ~~and in particular all function modules,~~ can be easily operated in the same manner using the universal adapter by means of a two-knob controller.
4. (Currently amended) A modular universal adapter telemedicine system according to claim 1, ~~one of the previous claims,~~ characterized in that the at least one function module comprises at least one diagnostic function module ~~is provided~~ for the purposes of medical diagnostic testing.
5. (Currently amended) A modular universal adapter telemedicine system according to claim 4, characterized in that the diagnostic function module is an electrocardiograph, a pulsoximeter, a

spirometer, a blood pressure measurement device, a thermometer, a cardiocograph, a heart beat monitor or other {event recorder}, or a blood sugar measuring device ~~and/or similar~~.

6. (Currently amended) A modular universal adapter telemedicine system according to claim 1, ~~one of the previous claims~~, characterized in that the at least one function modules includes at least one identification module to record an identification features of a patient.

7. (Currently amended) A modular universal adapter telemedicine system according to claim 6, characterized in that the identification module involves at least one a-function selected from the group consisting of ~~to-recording~~ biometric data of the patient ~~[such as fingerprints, iris]~~ and/or ~~to reading~~ identification cards.

8. (Currently amended) A modular universal adapter telemedicine system according to claim 1, ~~one of the previous claims~~, characterized in that the at least one function modules includes at least one communication module for audiovisual communication.

9. (Original) A modular universal adapter telemedicine system according to claim 8, characterized in that the at least one communication module involves functions to record speech, pictures and video data and to transmit the data in real time.

10. (Currently amended) A modular universal adapter telemedicine system according to claim 1, ~~one of the previous claims~~, characterized in that the at least one function modules includes a locating module to locate the geographic position of the telemedicine system.

11. (Original) A modular universal adapter telemedicine system according to claim 10, characterized in that the locating module is a GPS module to determine and to transmit geographic position data.

12. (Original) A modular universal adapter telemedicine system according to claim 11, characterized in that the GPS module is integrated into the universal adapter.

13. (Currently amended) A modular universal adapter telemedicine system according to claim 1,

~~one of the previous claims~~, characterized in that the process module includes means to process, output and transmit data, ~~in particular communication devices, cellular telephones [cellular telephones], computers, printers and similar means.~~

14. (Currently amended) A modular universal adapter telemedicine system according to claim 1, ~~one of the previous claims~~, characterized in that the at least one function module, ~~and in particular all function modules~~, and the universal adapter have their own internal battery.

15. (Currently amended) A modular universal adapter telemedicine system according to claim 1, ~~one of the previous claims~~, characterized in that the at least one function module, ~~in particular all function modules~~, and the universal adapter have a universal I/O connection through which at least one of the data transmission between the modules and/or charging of the function module's' battery batteries takes place.

16. (Currently amended) A modular universal adapter telemedicine system according to claim 1, ~~one of the previous claims~~, characterized in that the universal adapter includes a wireless interface, ~~in particular a WLAN or Bluetooth interface~~, through which the data can be exchanged with at least one of the process module and the at least one ~~and/or with~~ function modules equipped with wireless interfaces, wherein the data transmission to the process module can just as easily be accomplished using a hard-wired I/O connection.

17. (Currently amended) A modular universal adapter telemedicine system according to claim 1, ~~one of the previous claims~~, characterized in that the universal adapter includes a function to automatically register connected function modules.

18. (Currently amended) A modular universal adapter telemedicine system according to claim 1, ~~one of the previous claims~~, characterized in that the at least one function module, ~~in particular all function modules~~, and the universal adapter have a central processor and non-mechanical memory to store data at least temporarily ~~and/or for a longer period~~.

19. (Currently amended) A modular universal adapter telemedicine system according to claim 1, ~~one of the previous claims~~, characterized in that the at least one function module has its ~~and in~~

~~particular all function modules, have their own control elements and at least one item selected from the group consisting of an as well as numerous~~ acoustic-/visual signal elements, ~~and a~~ function display and/or a display on the outside of the module.

20. (Currently amended) A modular universal adapter telemedicine system according to claim 1, ~~one of the previous claims~~, characterized in that the universal adapter has four control elements and at least one item selected from the group consisting of an ~~numerous~~ acoustic-/visual signal elements, ~~and a function display and/or a display on the outside of the module.~~

21. (Currently amended) A modular universal adapter telemedicine system according to claim 20, characterized in that the at least one function module, ~~in particular all function modules~~, can be easily operated through two of the four control elements located on the ~~outside of the~~ universal adapter concerning basic functions ~~such as data recording, transmission and status inquiries.~~

22. (Currently amended) A modular universal adapter telemedicine system according to claim 20, characterized in that the at least one function module, ~~in particular all function modules~~, and the universal adapter can be expanded in operation and configuration through the four control elements located on the ~~outside of the~~ universal adapter.

23. (Currently amended) A modular universal adapter telemedicine system according to claim 1, ~~one of the previous claims~~, characterized in that the universal adapter and the at least one function modules can be operated in different user modes.

24. (Currently amended) A modular universal adapter telemedicine system according to claim 23, characterized in that user modes are available to at least one of ~~for~~ the patient, the physician, ~~use by~~ multiple patients and/or remote access by the physician's receiving center.

25. (Currently amended) A modular universal adapter telemedicine system according to claim 23 ~~or 24~~, characterized in that the process module includes a function to change the user mode of the universal adapter.

26. (Currently amended) A modular universal adapter telemedicine system according to claim 1, ~~one of the previous claims~~, characterized in that the at least one function module, ~~in particular all function modules~~, can be used either [a] using the universal adapter and a process module to transmit data directly or [b] separately without the universal adapter.

27. (Currently amended) A modular universal adapter telemedicine system according to claim 1, ~~one of the previous claims~~, characterized in that the ability is available to perform wireless communication between the universal adapters of multiple modular universal adapter telemedicine systems, and to use a process module in common through a wireless or hard-wired transmission path to said process module.

28. (Currently amended) A modular universal adapter telemedicine system according to claim 1, ~~one of the previous claims~~, characterized in that diagnostic and therapeutic plan monitoring and medical monitoring software is integrated into the universal adapter, ~~depending on the function modules registered~~.